

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS P.O. Box 1 50 Alexandria, Virginia 22313-1450 www.isplo.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/416,961	10/13/1999	SHIGEKAZU INOHARA	520.37728X00	6821	
24956 75	90 01/05/2006		EXAM	INER	
	, STANGER, MALUR	& BRUNDIDGE, P.C.	LEROUX, ETIENNE PIERRE		
1800 DIAGON. SUITE 370	AL ROAD		ART UNIT	PAPER NUMBER	
ALEXANDRIA	A, VA 22314	•	2161		
			DATE MAILED: 01/05/2006	DATE MAILED: 01/05/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Examiner		Applicant(s)	Application No.	
Etienne P LeRoux The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timety filed after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above, the maximum statutory period will apply and will expire SIX (8) MONTHS from the mailing date of this communication. If the period for reply is specified above, the maximum statutory period will apply and will expire SIX (8) MONTHS from the mailing date of this communication to prely with, by statute, cause the application to become ABANCONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 26 October 2005. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 36-42 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 36-42 is/are rejected.		INOHARA ET AL.	09/416,961	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of lime may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any sarred patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 26 October 2005. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 36-42 is/are pending in the application. 4a) Of the above claim(s) is/are allowed. 6) Claim(s) 36-42 is/are rejected.		Art Unit	Examiner	Office Action Summary
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timety filed after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 26 October 2005. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 36-42 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 36-42 is/are rejected.				
THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. If NO period for reply is specified above, the maximum statutory period will apply and will explication to become ABANDONDED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 26 October 2005. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 36-42 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 36-42 is/are rejected.		the correspondence address	ears on the cover sheet with	•
2a) ☐ This action is FINAL. 2b) ☐ This action is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ☐ Claim(s) 36-42 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 36-42 is/are rejected.		be timely filed 0) days will be considered timely. S from the mailing date of this communication. DONED (35 U.S.C. § 133).	G(a). In no event, however, may a reply within the statutory minimum of thirty (3 ll apply and will expire SIX (6) MONTHS cause the application to become ABAN	 THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply 11 NO period for reply is specified above, the maximum statutory period. Failure to reply within the set or extended period for reply will, by statute. Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ☐ Claim(s) 36-42 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 36-42 is/are rejected.			<u>ctober 2005</u> .	1) Responsive to communication(s) filed on 26
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 36-42 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 36-42 is/are rejected.			s action is non-final.	2a)⊠ This action is FINAL. 2b)□ T
 4) Claim(s) 36-42 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 36-42 is/are rejected. 		-	•	
4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☑ Claim(s) 36-42 is/are rejected.			·	isposition of Claims
5) ☐ Claim(s) is/are allowed. 6) ☑ Claim(s) <u>36-42</u> is/are rejected.		•		
6)⊠ Claim(s) <u>36-42</u> is/are rejected.			n from consideration.	4a) Of the above claim(s) is/are withdra
				5) Claim(s) is/are allowed.
7) Claim(s) is/are objected to.				6)⊠ Claim(s) <u>36-42</u> is/are rejected.
				7) Claim(s) is/are objected to.
8) Claim(s) are subject to restriction and/or election requirement.			election requirement.	•
Application Papers				· · · · · · · · · · · · · · · · · · ·
9) The specification is objected to by the Examiner.		tit budha Eugasia		
10)⊠ The drawing(s) filed on <u>13 October 1999</u> is/are: a)⊠ accepted or b) objected to by the Examiner.			,	
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).		·	<u></u> '	
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.		pproved by the Examiner.		
If approved, corrected drawings are required in reply to this Office action. 12) ☐ The oath or declaration is objected to by the Examiner.				
		-		•
Priority under 35 U.S.C. §§ 119 and 120		40(a) (d) an (6)		
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).		19(a)-(u) or (i).	priority under 35 U.S.C. § 1	
a)⊠ All b)□ Some * c)□ None of:			have been received	
1. Certified copies of the priority documents have been received.		lingtion No		
2. Certified copies of the priority documents have been received in Application No				<u> </u>
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.			eau (PCT Rule 17.2(a)).	application from the International Bu
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).).	119(e) (to a provisional application)	priority under 35 U.S.C. §	14) Acknowledgment is made of a claim for domest
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.			• •	
Attachment(s)		, . 	, priority and or 0.0.0. 35	•
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4) Interview Summary (PTO-413) Paper No(s) 5) Notice of Informal Patent Application (PTO-152) 6) Other:		• • • • • • • • • • • • • • • • • • • •	5) Notice of Info	Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)

Claim Status

Claims 36-42 are pending; claims 1-35 have been cancelled. Claims 36-42 are rejected as detailed below.

Drawings

Figure 2-5 should be designated by a legend such as -- Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not

commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Page 3

Claims 36, 38 and 42 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Pat No 4,638,424 issued to Beglin et al (hereafter Beglin) in view of US Pat No 6,275,938 issued to Bond et al (hereafter Bond).

Claims 36:

Beglin discloses:

receiving in said secondary storage apparatus from the first computer an object based I/O request for said application data [arrow 120 indicates recall task 27, Fig 4, col 13. lines 47-50]

performing said object-based I/O request by executing said object access module [DSName stored in L0 DASD 14, col 14, lines 10-15, col 6, lines 49-54].

Beglin discloses the elements of the claimed invention as noted above but does not disclose sending to said secondary storage apparatus from the first computer, or a second computer different from the first computer, an object access module that implements an object-based I/O function to reply to object-based I/O requests using the block-based I/O function of said block access module. Bond discloses sending to said secondary storage apparatus from the first computer, or a second computer different from the first computer, an object access module that implements an object-based I/O function to reply to object-based I/O requests using the block-based I/O function of said block access module [col 4, lines 30-38]. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Beglin to include sending to said secondary storage apparatus from the first computer, or a second computer different from the first computer, an object access module that implements an object-based I/O function to reply to object-based I/O requests using the block-based I/O function of said block access module as taught by Bond for the purpose of executing a single function or

a limited range of functions [col 4, lines Fig 2, col 4, lines 39-57]. The skilled artisan would have been motivated to modify Beglin per the above such the downloaded executable code is able to provide an interface with the operating system of the user's computer system [col 1, lines 30-35].

Furthermore, Bond discloses registering said object access module in said active network storage controller to provide the object-based I/O function with the secondary storage apparatus [Fig 2, applet is loaded into predetermined memory area, col 5, lines 24-33].

Claim 38:

Beglin discloses:

receiving in said secondary storage apparatus from the first computer an object based I/O request for said application data [arrow 120 indicates recall task 27, Fig 4, col 13. lines 47-50]

performing said object-based I/O request by executing said object access module [DSName stored in L0 DASD 14, col 14, lines 10-15, col 6, lines 49-54].

Beglin discloses the elements of the claimed invention as noted above but does not disclose sending to said secondary storage apparatus from the first computer, or a second computer different from the first computer, an object access module that implements an object-based I/O function to reply to object-based I/O requests using the block-based I/O function of said block access module. Bond discloses sending to said secondary storage apparatus from the first computer, or a second computer different from the first computer, an object access module that implements an object-based I/O function to reply to object-based I/O requests using the block-based I/O function of said block access module [col 4, lines 30-38]. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Beglin to include sending to said secondary storage apparatus from the first computer, or a second computer different from the first computer, an object access module that implements an object-based I/O function to reply to object-based I/O requests using the block-based I/O function of said block access module as taught by Bond for the purpose of executing a single function or

a limited range of functions [col 4, lines Fig 2, col 4, lines 39-57]. The skilled artisan would have been motivated to modify Beglin per the above such the downloaded executable code is able to provide an interface with the operating system of the user's computer system [col 1, lines 30-35].

Furthermore, Bond discloses registering said object access module in said active network storage controller to provide the object-based I/O function with the secondary storage apparatus [Fig 2, applet is loaded into predetermined memory area, col 5, lines 24-33].

Beglin discloses sending to said secondary storage apparatus from the first computer, or the second computer, object description data indicating how said application data is stored on said secondary storage apparatus [DSName stored in L0 DASD 14, col 14, lines 10-15, col 6, lines 49-54].

Furthermore, Bond discloses registering said object description data in the registered object access module Furthermore, Bond discloses registering said object access module in said active network storage controller to provide the object-based I/O function with the secondary storage apparatus [Fig 2, applet is loaded into predetermined memory area, col 5, lines 24-33].

<u>Claim 42:</u>

Beglin discloses receiving in said secondary storage apparatus from the first computer an advanced I/O request for said application data [Beglin: arrow 120 indicates recall task 27, Fig 4, col 13, lines 47-50]

performing said object-based I/O request by executing said advanced function module [Beglin: DSName stored in LO DASD 14, col 14, lines 10-15, col 6, lines 49-54]

sending to said secondary storage apparatus from the first computer, or a second computer different from the first computer, an advanced function module that implements an advanced I/O function for said application program by invoking at least one of said object access modules [Beglin: arrow 120 indicates recall task 27, Fig 4, col 13, lines 47-50]

Beglin discloses the essential elements of the claimed invention as noted above but is silent regarding maintaining in said active network storage controller a plurality of object access modules, each providing other modules with an object-based I/O function as a common function for various applications by invoking one of said block access modules. Bond discloses maintaining in said active network storage controller a plurality of object access modules, each providing other modules with an object-based I/O function as a common function for various applications by invoking one of said block access modules [Bond: col 4, lines 30-40]. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Belin to include maintaining in said active network storage controller a plurality of object access modules, each providing other modules with an object-based I/O function as a common function for various applications by invoking one of said block access modules as taught by Bond for the purpose of providing applets which can be downloaded and executed within another program for the purpose of providing access to data stored in a network storage device [Bond: col 5, lines 50-63].

Claims 37, 39 and 41 are rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Beglin and Bond and further in view of US Pat No 6,549,954 issued to Lambrecht et al (hereafter Lambrecht).

Claim 37:

The combination of Beglin and Bond discloses the elements of claim 36 as noted above but does not discloses wherein said object access module obtains a data value or location of data in a storage unit corresponding to a specification, which is either an object offset, an object offset size or an object tag specifying the type of data to be retrieved. Lambrecht discloses wherein said object access module obtains a data value or location of data in a storage unit corresponding to a specification, which is either an object offset, an object offset size or an object tag specifying the type of data to be retrieved [col 11, lines 15-30]. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the combination of

Beglin and Bond to include wherein said object access module obtains a data value or location of data in a storage unit corresponding to a specification, which is either an object offset, an object offset size or an object tag specifying the type of data to be retrieved as taught by Lambrecht for the purpose of including an encoded destination for the object [col 11, line 17]. The skilled artisan would have been motivated to modify the combination of Beglin and Bond per the above such that the data object can be routed correctly and also checked when arriving at its destination to confirm that the current destination is in fact the correct destination. Claim 39:

The combination of Beglin and Bond discloses the elements of claim 38 as noted above but does not discloses wherein said object access module obtains a data value or location of data in a storage unit corresponding to a specification, which is either an object offset, an object offset size or an object tag specifying the type of data to be retrieved. Lambrecht discloses wherein said object access module obtains a data value or location of data in a storage unit corresponding to a specification, which is either an object offset, an object offset size or an object tag specifying the type of data to be retrieved [col 11, lines 15-30]. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the combination of Beglin and Bond to include wherein said object access module obtains a data value or location of data in a storage unit corresponding to a specification, which is either an object offset, an object offset size or an object tag specifying the type of data to be retrieved as taught by Lambrecht for the purpose of including an encoded destination for the object [col 11, line 17]. The skilled artisan would have been motivated to modify the combination of Beglin and Bond per the above such that the data object can be routed correctly and also checked when arriving at its destination to confirm that the current destination is in fact the correct destination.

Claim 41:

The combination of Beglin and Bond discloses the elements of claim 38 as noted above but does not discloses wherein said object description data is data for specifying a file format of said application data based on whether the data stored in a specific part of one or more storage units contain some

specific value or pattern. Lambrecht discloses wherein said object description data is data for specifying a file format of said application data based on whether the data stored in a specific part of one or more storage units contain some specific value or pattern [object's priority, col 11, lines 15-30]. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the combination of Beglin and Bond to include wherein said object description data is data for specifying a file format of said application data based on whether the data stored in a specific part of one or more storage units contain some specific value or pattern as taught by Lambrecht for the purpose of classifying the storage areas. The skilled artisan would have been motivated to modify the combination of Beglin and Bond per the above such that secure data can be separated from less secure data in order to protect the integrity of the secure data.

Claim 40 is rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Beglin and Bond and further in view of US Pat No 6,285,978 issued to Bernth et al (hereafter Bernth).

Claim 40:

The combination of Beglin and Bond discloses the elements of claim 38 as noted above but does not disclose wherein said object description data is data for specifying an attribute or an inter-block reference by a lexical analyzing program or a parser generating grammar of said application data.

Bernth discloses as prior art, wherein said object description data is data for specifying an attribute or an inter-block reference by a lexical analyzing program or a parser generating grammar of said application data [col 1, lines 50-55]. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the combination of Beglin and Bond to include wherein said object description data is data for specifying an attribute or an inter-block reference by a lexical analyzing program or a parser generating grammar of said application data as taught by Bernth for the purpose of formatting tags [col 1, line 56].

- Application/Control Number: 09/416,961

Art Unit: 2161

Page 9

Response to Arguments

Applicant's arguments filed 10/26/2005 have been fully considered but they are not persuasive.

Applicant Argues:

Applicant states in the fourth paragraph of page 8 "The present invention is directed to an object access module is sent to the storage apparatus equipped with a block access module, i.e., a program module presenting block-based I/O function (read/write function for block units), from a computer via network. The object access module is a program module for providing read/write function to data stored in a plurality of non-contiguous storage units by using the above mentioned access module and is registered in a active network storage controller of the storage apparatus. Hence, in the result, the storage apparatus becomes having an object I/O function.

Examiner Responds:

Examiner finds it difficult to understand above argument. Examiner maintains considerable material has been omitted.

Applicant Argues:

Applicant states in the second paragraph of page 9 "Beglin however, does not teach or suggest the features of the present invention which has double layers of program modules. Further, Beglin does not teach or suggest that the storage apparatus becomes having the upper function by sending or being downloaded the upper program module from the exterior of the storage apparatus such as in the present invention.

Examiner Responds:

Examiner is not persuaded. Above argument is difficult to understand. Examiner maintains considerable material has been omitted. Nevertheless, in order to respond as best as possible to applicant's applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the

- Application/Control Number: 09/416,961 Page 10

Art Unit: 2161

features upon which applicant relies (i.e., double layers of program modules) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

Applicant Argues:

Applicant states in the third paragraph of page 9, "Even if Beglin and Bond are combined as suggested by the examiner the combination does not teach or suggest for example sending Java Applets and executing the downloaded Applets in a specified area, sandbox such as in the present invention.

Examiner Responds:

In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., sending Java Applets and executing the downloaded Applets in a specified area) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Furthermore, Applicant's comment is difficult to understand because examiner could not even find a single reference to a JAVA Applet in applicant's specification. In fact examiner relied upon Bond's disclosure of an applet to read on the claimed "object access module." Examiner maintains that an applet is inherently an "object access module." Additional support for above assertion that an applet is inherently an "object access module" is provided by the disclosure of Schnier in Pub No. US 2001/0003824, particularly paragraph 79 which teaches that the Java applet is itself an object, one of the applet class, with methods defined to operate on it. The applet is generally written with the understanding that it will access objects on a remote server.

Applicant Argues:

Applicant lists in the fourth paragraph of page 9 various features of the present invention as included in the specification.

Examiner Responds:

- Application/Control Number: 09/416,961

Art Unit: 2161

In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

Page 11

Applicant Argues:

Applicant states in the first paragraph of page 10 "The merit of the above feature is disclosed in, for example, Page 11, line 11-Page 12, line 10 etc. in this specification. Such method[s] for constituting multi-program modules environment on storage apparatus is not suggested even if combining any prior art.

Examiner Responds:

Examiner is not persuaded. In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Furthermore, examiner notes Rule 37CFR 1.111(b) requires Applicant to "distinctly and specifically point out errors" in the examiner's action. Also, arguments or conclusions of Applicant cannot take the place of evidence. *In re Cole*, 51 CCPA 919, 326F.2d 769, 140 USPQ 230 (1964).

Applicant Argues:

Applicant states in the second paragraph of page 10 "The remaining references of record have been studied. Applicants submit that they do not supply any of the deficiencies noted above with respect to the references utilized in the rejection of claims 36-42.

Examiner Responds:

Examiner is not persuaded. Applicant should submit an argument pointing out disagreements with the examiner's contentions. Applicant must also discuss the references applied against the claims, explaining how the claims avoid the references or distinguish from them.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Etienne P. LeRoux whose telephone number is (571) 272-4022. The examiner can normally be reached Monday through Friday between 8:00 am and 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on (571) 272-4023. The fax phone number for the organization where this application or proceeding is assigned is (571)-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Etienne LeRoux
12/30/2005